

Statewide Longitudinal Data System IES Grant Program

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NCES

Longitudinal Data Systems

Purpose: ability to use student- and staff-level longitudinal data to evaluate programs, policies and practices and determine where, when and with whom interventions are needed.

Longitudinal Data Systems

With student-level enrollment, demographic and program participation information, policymakers and educators will know, on a systemic level:

- The relationship between career and technical education participation and postsecondary enrollment (type, degree/certification, concentration/area).
- The relationship between participation in various federal program areas (CTE, Special Education, Title I, Bilingual/English Language Learners) at the same time and education outcomes.

Early warning indicator systems

- Use key variables (attendance, discipline, demographic and performance data) to identify students at risk of dropping out and/or graduating without being college/career ready – can analyze by student, program area, grade level, school and/or district
- Don't limit to Grades 9-12. Start in elementary school!
- Warning about both potential to dropout and to graduate unprepared for career & college

America COMPETES Act

With respect to preschool through grade 12 education and postsecondary education:

- A unique statewide student identifier that does not permit a student to be individually identified by users of the system (except as allowed by Federal and State law)
- Student-level enrollment, demographic, and program participation information
- Student-level information about the points at which students exit, transfer in, transfer out, drop out, or complete P-16 education programs
- The capacity to communicate with higher education data systems
- A State data audit system assessing data quality, validity, and reliability

With respect to preschool through grade 12 education:

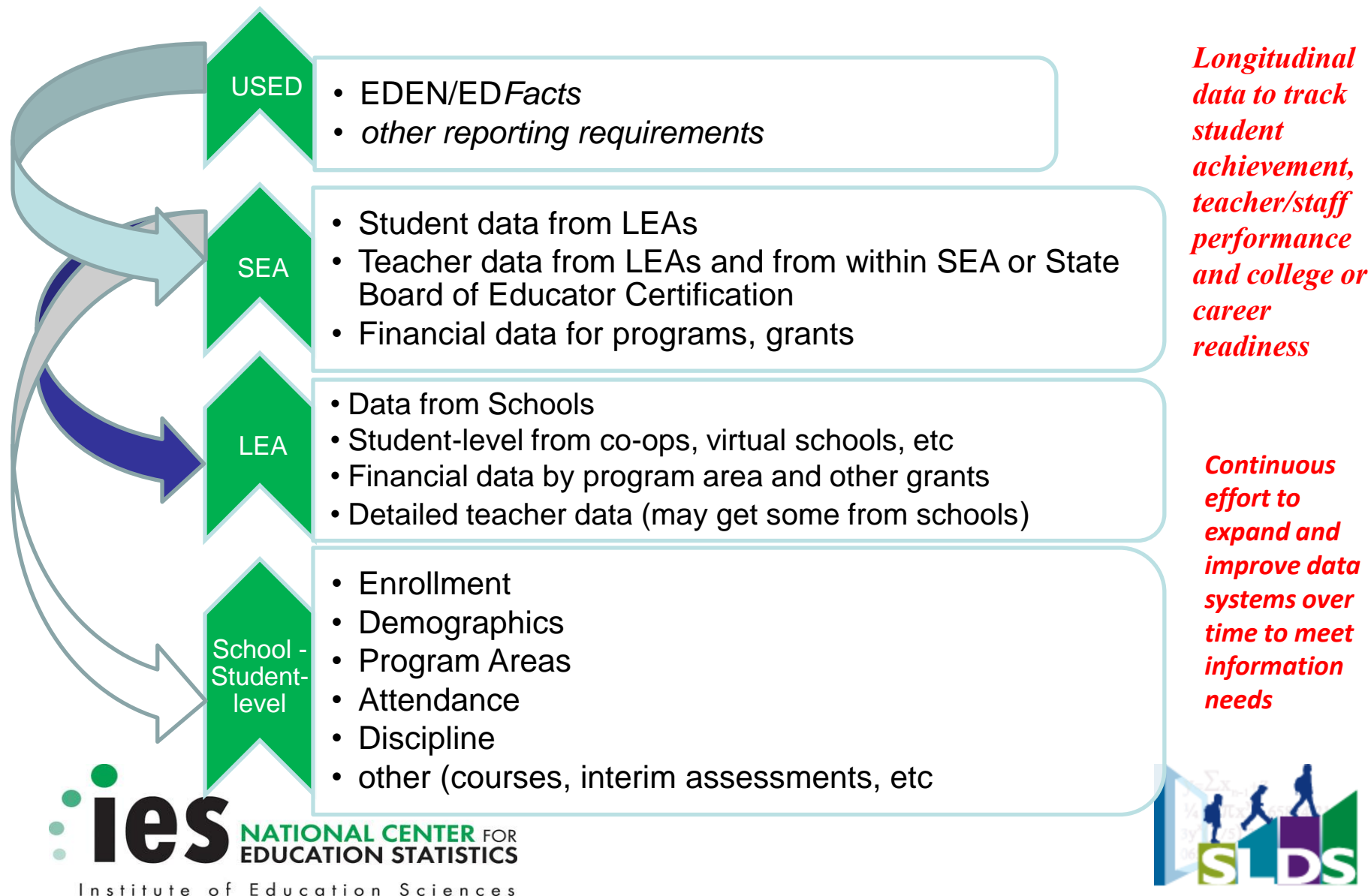
- Yearly test records of individual students with respect to assessments under section 1111(b) of the Elementary and Secondary Education Act of 1965
- Information on students not tested, by grade and subject
- A teacher identifier system with the ability to match teachers to students
- Student-level transcript information, including information on courses completed and grades earned
- Student-level college readiness test scores

With respect to postsecondary education:

- Data that provide information regarding the extent to which students transition successfully from secondary school to postsecondary education, including whether students enroll in remedial coursework
- Data that provide other information determined necessary to address alignment and adequate preparation for success in postsecondary education

State and Local Education Agency Systems

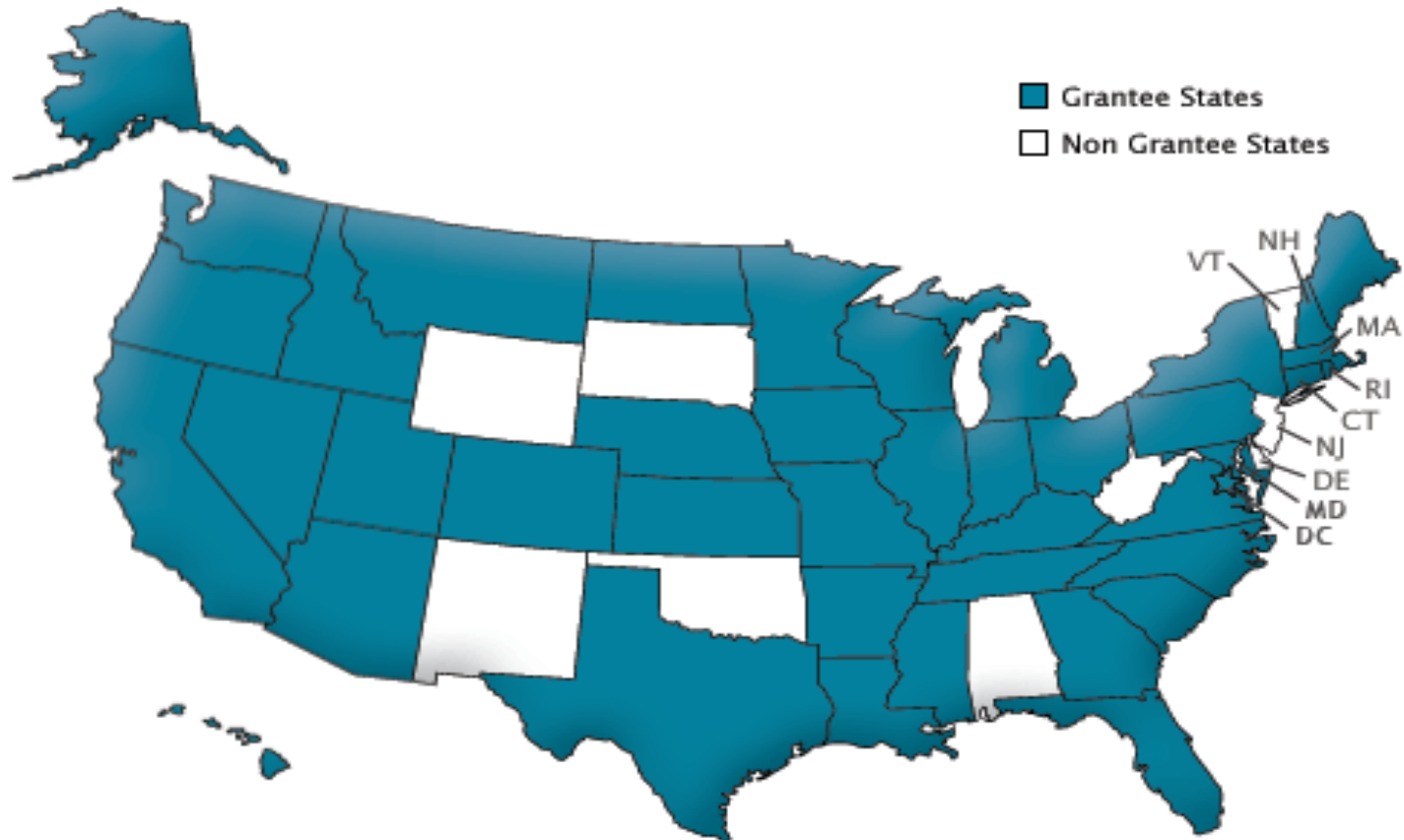
- The data in the state system is only as good as the data in the local student information system
- Best to coordinate efforts on data collection, definition, access and use between LEA and SEA to ensure
 - Highest data quality
 - Reduction of data collection burden and duplication
 - Economies of scale between LEAs and SEA
 - Appropriate and timely access and use of data
- SEAs and LEAS need a sound data governance system (policies, processes, oversight committees, etc) to coordinate and address roles and responsibilities of all key stakeholders at the state and local levels



Legislative Background

- Authorized in 2002 by the Education Sciences Reform Act and the Educational Technical Assistance Act
- The grants are cooperative agreements – a form of grant in which the federal government has a more active involvement than in typical grants.
- 3 to 5 year awards of \$1.5 to \$9 million per State
 - November 2005: 14 SEAs awarded over \$52 million
 - June 2007: 13 SEAs awarded over \$62 million
 - April 2009: 27 SEAs awarded over \$150 million
 - FY09-ARRA grants will be 3 year awards at \$2 to \$20 million per State

Grantee States



Goals of the Program

The long term goals of this program are to:

- 1) identify successful instructional programs, facilitate use of research to **improve instruction**
- 2) determine whether **graduates have knowledge and skills** to succeed in postsecondary education and the workforce
- 3) **simplify the processes** used by state education agencies to make educational data transparent through local, state, and federal reporting
- 4) support **informed decision-making** at all levels of the education system
- 5) permit the generation and use of **accurate and timely** data.

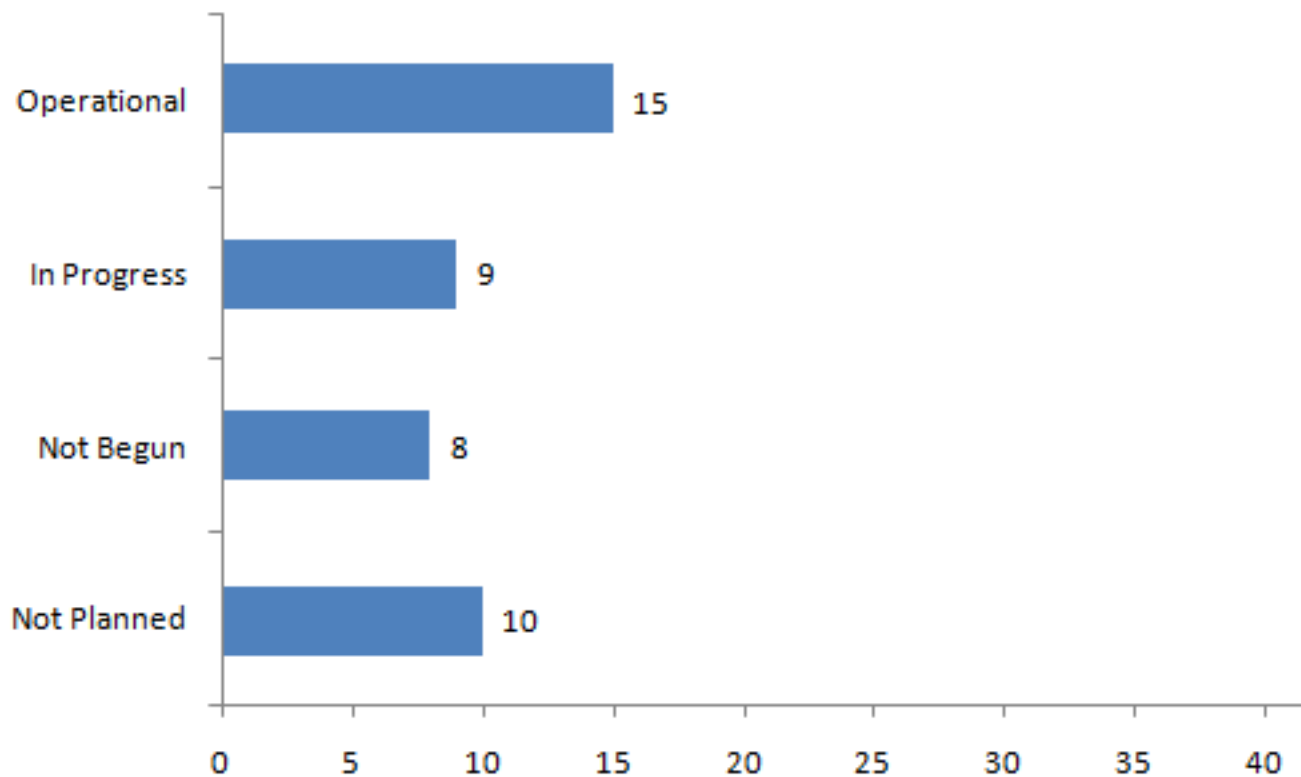
Vehicles Used to Manage, Assist Grantees

- Monthly call updates with grantee project directors
- Annual two day conference hosting at least two members from each grantee's project team
- Personnel Exchange Network program
- Longitudinal Data Systems presentations and optional grantee meetings at two annual national data conferences (MIS Conference, STATS DC Conference)
- SLDS Grantee Listserv
- Monthly "Webinar" discussions hosted by a grantee team for all grantee recipients
- Document depository resource for sharing and distributing SLDS related products and materials developed by the grantee states

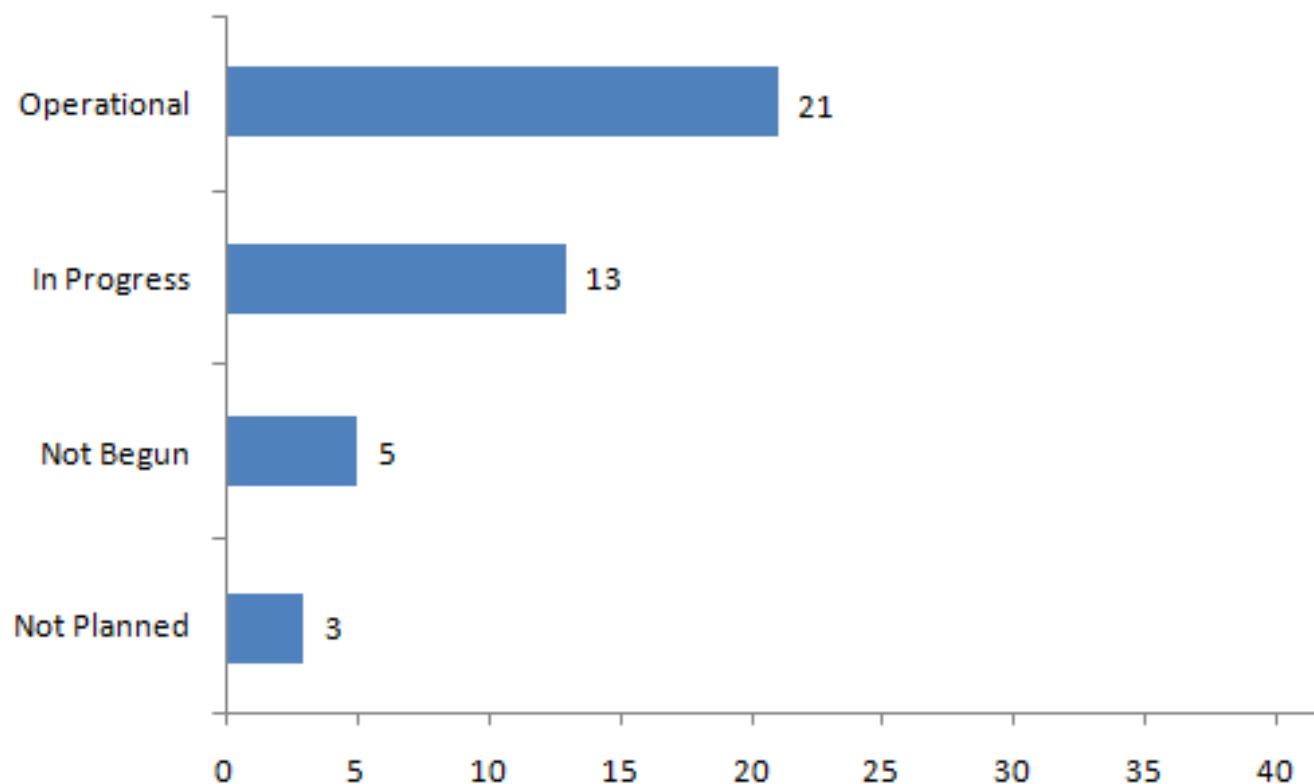
Vehicles Used to Manage, Assist (cont'd)

- SLDS program website with links to presentations from relevant conferences, state web pages, and other related resources
- Longitudinal Data Systems Handbook which is developed through NCES's Forum on Education Statistics to synthesize all major components of developing, implementing, and using such systems
- Technical assistance provided to grantee states through nonprofit organizations (e.g., technical assistance provided in adopting XML data standards)

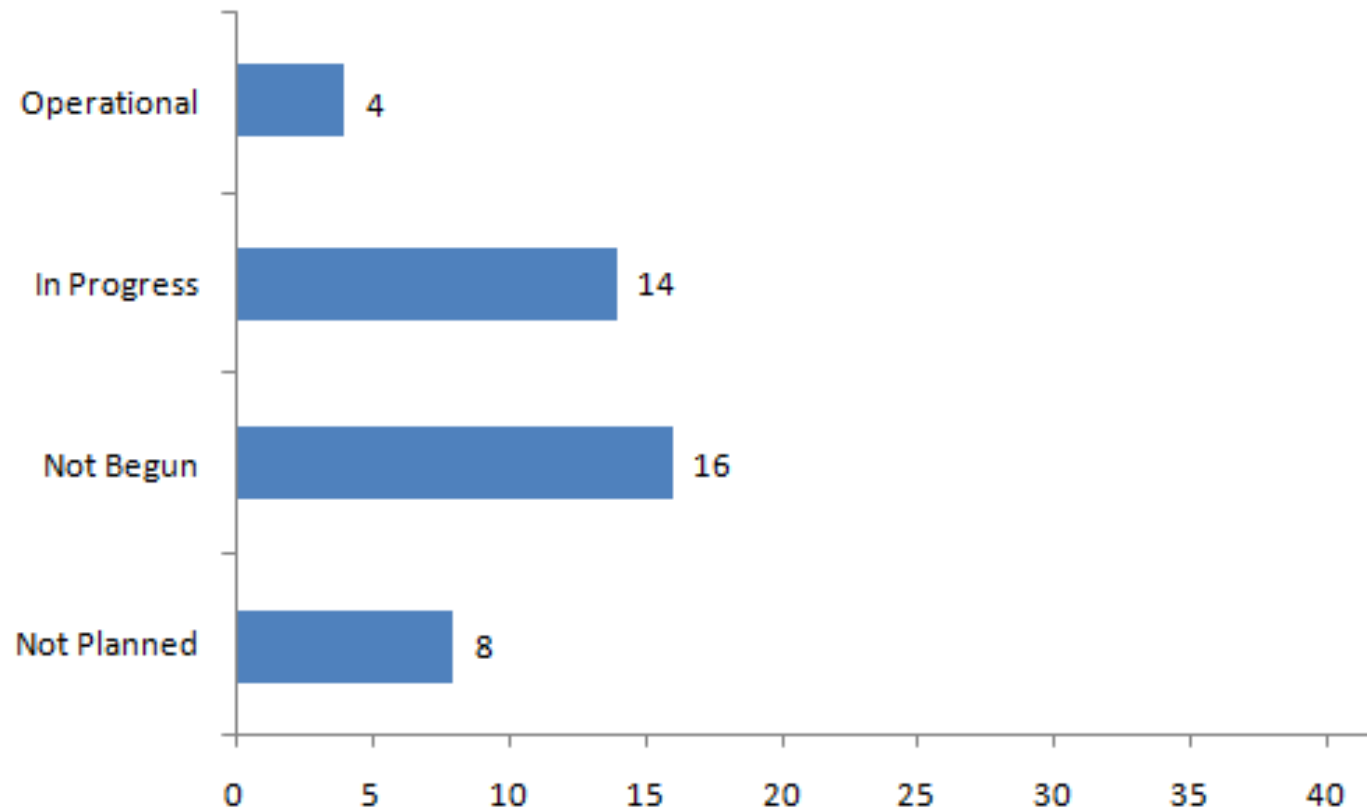
Number of FY06, FY07, and FY09 Grantees with Pre-School Data Integrated in LDS, 2009



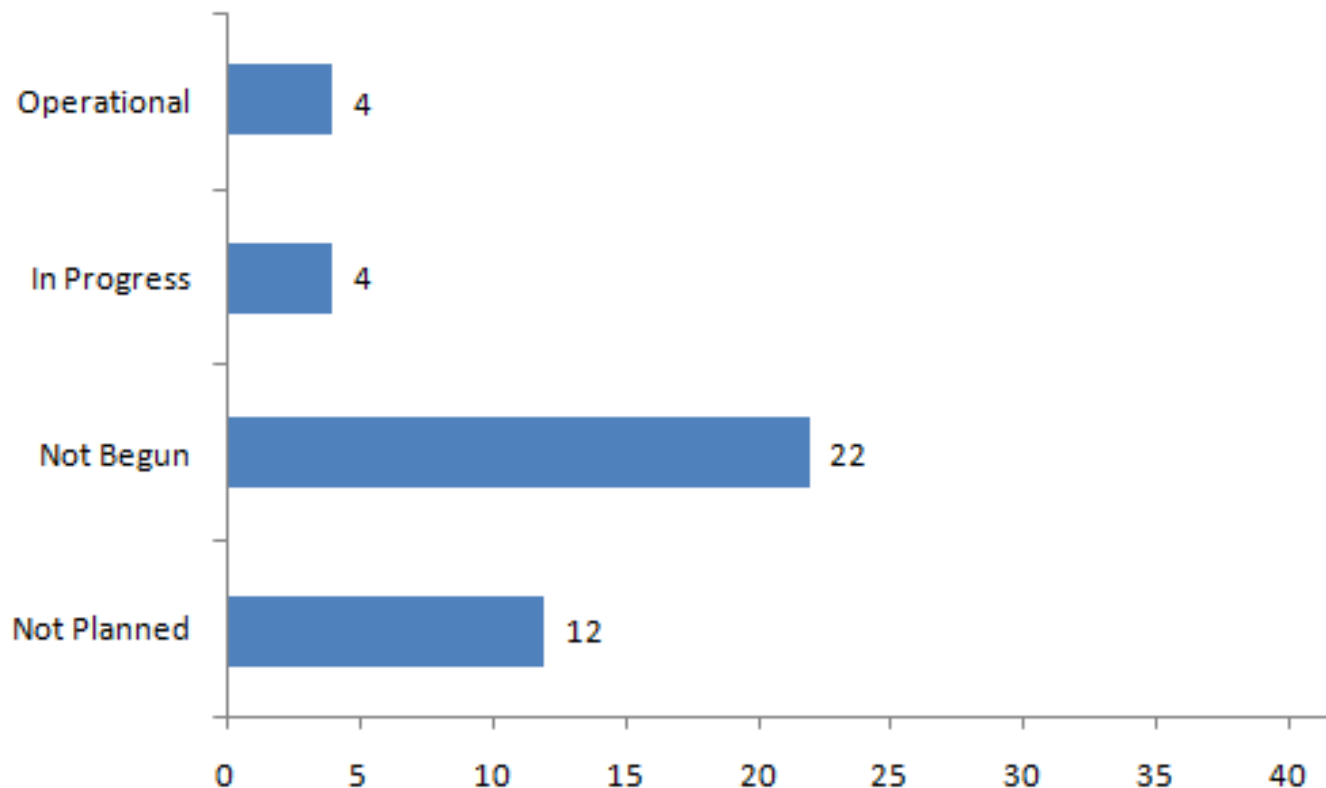
Number of FY06, FY07, and FY09 Grantees with Special Education Data Integrated in LDS, 2009



Number of FY06, FY07, and FY09 Grantees with Post-Secondary Data Integrated in LDS, 2009



Number of FY06, FY07, and FY09 Grantees with Labor Workforce Data Integrated in LDS, 2009



Successful Strategies Identified through the Program

- “Not just an IT project” - High quality SEA IT staff working closely with state program offices
- “Communicate up and out” - Effective communications about the project to stakeholders
- “State managed, locally operated” - Formalized structures for working closely with LEAs and other stakeholders on designing, testing, and using SLDS and its portals
- “Who’s in charge” - Organized governance structure to manage data ownership, decisions, and communications

Issues Identified through the Program

- Privacy & Confidentiality – data access for organizations
- State procurement issues with grant implementation – often takes longer than originally planned
- SEAs as facilitating organization – new role for state collaboration
- Sustainability at the state level – impact of state economy

Next Steps for SLDS

- Rising interest among states to figure out how to build data structures for seamless transfers of student records **across state lines**
- Providing data access to **research community and public stakeholders**

Appendix Slides

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Statewide Longitudinal Data Systems Grant Program

Designing, Developing, Implementing, & Using Longitudinal Data Systems to Improve Student Learning

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Program Overview

The Statewide Longitudinal Data System (SLDS) Grant Program, as authorized by the Educational Technical

Assistance Act of 2002, Title II of the statute that created the Institute of Education Sciences (IES), is designed to aid state education agencies in developing and implementing longitudinal data systems. These systems are intended to enhance the ability of States to efficiently and accurately manage, analyze, and use education



data, including individual student records. The data systems developed with funds from these grants should help States, districts, schools, and teachers make data-driven decisions to improve student learning, as well as facilitate research to increase student achievement and close achievement gaps.

These competitive, cooperative agreement grants extend for three to five years for up to nine million dollars per grantee. Grantees are obligated to submit annual reports and a final report on the development and implementation of their systems. All 50 States, five territories, and the District of Columbia are eligible to apply. In November of 2005, the first year of the grant program, IES awarded grants to 14 States. In June of 2007, IES awarded grants to an additional 12 States and the District of Columbia. In March of 2009, IES awarded grants to 27 States.

Lessons learned and non-proprietary products/solutions developed by recipients of these grants will be disseminated to aid other State and local education agencies in the design, development, implementation, and use of longitudinal data systems.

For more information on the Statewide Longitudinal Data Systems Grant Program, contact [Tate Gould](#) or [Emily Anthony](#) at the National Center for Education Statistics.

HIGHLIGHTS

[New! FY09 ARRA RFA WebEx](#)

NCES will hold an informational WebEx for the FY09 ARRA RFA on August 27 ([Presentation Now Available](#)), September 18, and October 5.

[Request for Applications—FY09 ARRA](#)

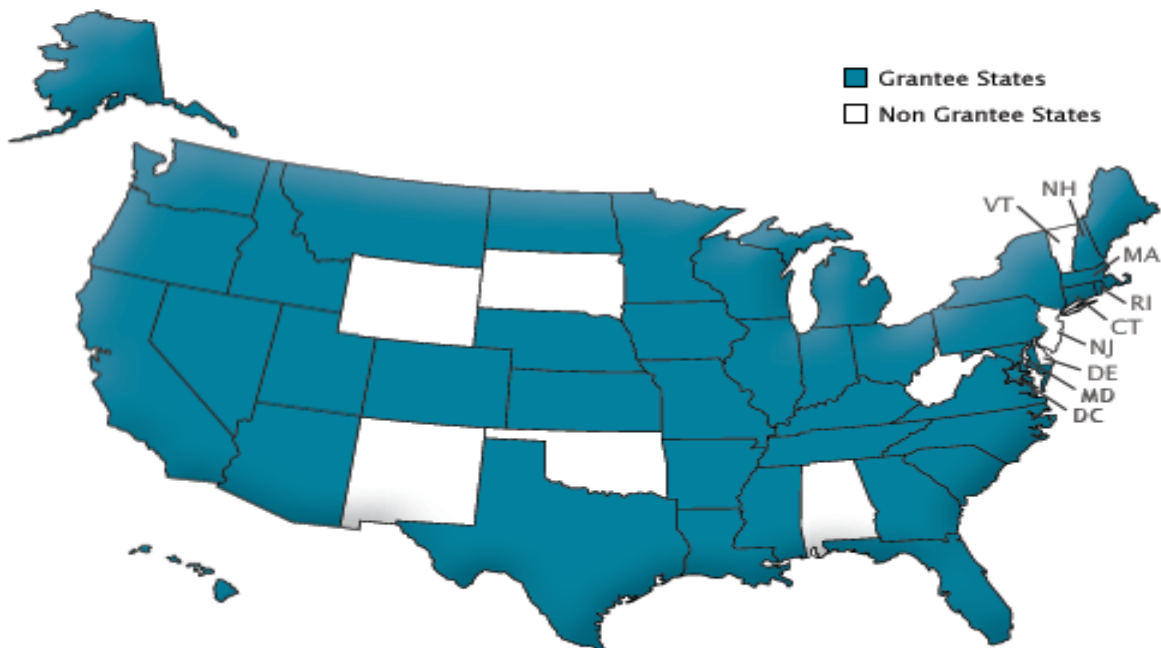
The submission deadline for the fourth round of Statewide Longitudinal Data Systems Grant is November 19, 2009.

[LDS Share](#)

NCES developed a searchable database of documents on creating statewide longitudinal data systems (SLDS) for states.



Designing, Developing, Implementing, & Using Longitudinal Data Systems to Improve Student Learning





Statewide Longitudinal Data Systems Grant Program

Designing, Developing, Implementing, & Using Longitudinal Data Systems to Improve Student Learning

Program Overview

Voluntary Standards and Guidelines

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-- Select a state --

Grantee State - Kansas

Project Director: Kathy Gosa

Websites:

- [Kansas Department of Education](#)
- [Kansas Individual Data on Students \(KIDS\)](#)
- [Kansas Data Quality Certification Program](#)



2009 GRANT APPLICATION

Data Informed Education Leadership

Start Date: 3/1/2009

End Date: 2/28/2012

Amount Awarded: \$3,911,792

Project Application: To Be Posted

[Project Abstract](#) 110 KB

Major Outcomes:

- Provide secure access to integrated, quality education data: Year 1
 - Continuously improve data quality and security:
 - Use automated testing software to ensure quality and validity of changes to KSDE collection applications.
 - Expand the KSDE Data Quality Certification (DQC) Program.
 - Enhance Data Audit Program.
 - Implement DQC program for postsecondary (PS).
 - Ensure secure and robust data architecture and processes.
 - Connect data systems:
 - Implement an e-transcript solution.
 - Create student operational data store (ODS).
 - Expand data in KSDE Enterprise Data System (EDS).

[Show/Hide More Outcomes](#)

2007 GRANT APPLICATION

Kansas Initiative for Use of Education Data

Start Date: 8/1/2007

End Date: 7/31/2010

Amount Awarded: \$3,834,796

[Project Application](#) 12.5 MB

[Project Abstract](#) 99 KB

Major Outcomes:

- Enhance Enterprise Data System:
 - Enhance student tracking, including dropouts:
 - Implement tracking of claims and exits using SIF technology.



Statewide Longitudinal Data Systems Grant Program

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Features Summary FY06 and FY07 Grantees

The IES Statewide Longitudinal Data Systems (SLDS) Grant Program FEATURES SUMMARY reflects longitudinal data system components being developed by each of the fourteen FY 2006 and thirteen FY 2007 grantees and includes, but is not limited to, the components funded by the Statewide Longitudinal Data Systems Grant Program.

[Previous](#)


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SLDS Features: FY 2006 | FY2007 April 2009

NB = not begun **P** = work in progress **O** = operational **-** = not planned

| Categories | Alaska (FY06) | Arizona (FY07) | Arkansas (FY06) | California (FY06) | Colorado (FY07) | Connecticut (FY06) | District of Columbia (FY07) | Indiana (FY07) | Florida (FY06) | Kansas (FY07) | Kentucky (FY06) | Maine (FY07) | Maryland (FY06) | Michigan (FY06) | Minnesota (FY06) | Nebraska (FY07) | Nevada (FY07) | New Hampshire(FY07) | North Carolina (FY07) | Ohio (FY06) | Oregon (FY07) | Pennsylvania (FY06) | South Carolina (FY06) | Tennessee (FY06) | Utah (FY07) | Virginia (FY07) | Wisconsin (FY06) |
|--|---------------|----------------|-----------------|-------------------|-----------------|--------------------|-----------------------------|----------------|----------------|---------------|-----------------|--------------|-----------------|-----------------|------------------|-----------------|---------------|---------------------|-----------------------|-------------|---------------|---------------------|-----------------------|------------------|-------------|-----------------|------------------|
| Data System Features | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Business Rules to Identify Invalid Data Entries | P | O | O | P | O | O | P | O | P | O | O | O | O | O | P | O | P | O | P | O | P | O | P | O | O | O | O |
| Comprehensive Metadata (with history of code changes and policies affecting data) for SLDS | - | P | O | P | O | P | P | O | O | P | P | P | NB | P | NB | NB | P | NB | P | P | P | NB | O | NB | NB | NB | O |
| Comprehensive Data Dictionary for SLDS | O | P | O | P | P | P | P | P | O | O | P | O | P | P | O | P | P | P | P | P | P | O | O | O | O | O | P |
| Data Audit System: Measuring Data Quality/Validity/Reliability | O | O | O | P | P | NB | P | O | P | O | P | P | O | O | NB | P | P | P | P | P | P | P | O | O | O | NB | O |
| External Evaluation of Data Availability and Use (from SLDS) | - | P | O | - | P | NB | - | P | P | - | P | NB | NB | P | NB | NB | NB | - | NB | P | NB | NB | NB | P | - | O | - |
| Functioning Comprehensive Agency-wide Data | P | P | P | O | P | NB | O | P | P | O | P | O | P | O | P | P | P | P | P | P | P | P | P | O | O | O | P |





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Statewide Longitudinal Data Systems Grant Program
Designing, Developing, Implementing, & Using Longitudinal Data Systems to Improve Student Learning

LDS Share

LDS Share is a dissemination venue for non-proprietary products and lessons learned from longitudinal data systems work conducted by state and local education agencies, including work funded by the SLDS Grant Program. LDS Share is intended to facilitate sharing and collaboration among education agencies and the education community in general, related to the design, development, implementation, use, and evaluation of longitudinal data systems to leverage their impact on improving student learning.

◀ [Return to SLDS website](#)

Select a category on the left to search LDS Share documents by topic or click the Search button to narrow your search.

| | Title ▲ | Entity/State | Event | Year |
|--|---------|--------------|-------|------|
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| Data Access & Use ▶ | | | | |
| Agreements, MOUs, and RFPs ▶ | | | | |
| LDS Warehouse Construction ▶ | | | | |
| System Implementation & Maintenance ▶ | | | | |
| Data Exchange & Interoperability ▶ | | | | |

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LDS Share allows education agencies and organizations to share documents, policies, and other products developed in relation to the design, implementation, maintenance, and use of education longitudinal data systems. These voluntarily submitted documents do not undergo the formal review required for products of the National Center for Education Statistics (NCES). Neither NCES, nor the United States Government, nor any of their employees makes any determination of the accuracy or completeness of the posted documents and do not endorse the solutions or activities contained in them. Users are responsible for determining whether a document is appropriate for their purposes. The information and opinions contained in the LDS Share documents do not necessarily represent the policy or views of the U.S. Department of Education or the National Center for Education Statistics.

Submit LDS Share feedback to SLDS@ed.gov.

Questions?

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SLDS Website:

<http://nces.ed.gov/Programs/SLDS/>